

**BOBBY JINDAL**  
GOVERNOR



**HAROLD LEGGETT, PH.D.**  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

Certified Mail No.:

Activity No.: PER20090001  
Agency Interest No.: 160243

Mr. Jerry R. Peavy  
Production Manager  
Justiss Oil Company, Inc.  
PO Box 2990  
Jena, LA 71342

RE: Permit, Olla IPNH Gas Treatment Facility , Justiss Oil Company, Inc., Jena, La Salle Parish, Louisiana

Dear Mr. Peavy:

This is to inform you that the permit request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Permit Support Services Division, at (225) 219-0075 or email your changes to [facupdate@la.gov](mailto:facupdate@la.gov).

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Permit No.: 1680-00087-00

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary

CSN:cet

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Olla IPNH Gas Treatment Facility  
Agency Interest No.: 160243  
Justiss Oil Company, Inc.  
Jena, LaSalle Parish, Louisiana**

**I. BACKGROUND**

Justiss Oil Company, Inc. proposes to construct and operate an oil and gas production facility, Olla IPNH Gas Treatment Facility, which will handle sweet natural gas and condensate/crude oil. The facility will be located in LaSalle Parish.

**II. ORIGIN**

A permit application and Emission Inventory Questionnaire (EIQ) dated June 9, 2009, were received requesting a minor source permit. Additional information dated July 27, 2009, was also received.

**III. DESCRIPTION**

Gas production from nearby facilities flows to high pressure and low pressure separators. Low pressure natural gas from the separators is piped to two compressor engines (Sources CE-01 and CE-02). The high pressure natural gas is fed into two amine units (Sources AV-01 and AV-02) to remove high levels of carbon dioxide. Carbon dioxide enriched gas rises through an absorption column flowing countercurrent to the liquid amine solution to a condenser, which is routed to the atmosphere. The lean amine is routed from the amine boilers (Sources AR-01 and AR-02) back to the absorption tower to complete the cycle. A TEG gas dehydration unit (Source GV-01) is used to dry natural gas prior to secondary processing and a JT unit to remove condensables. The natural gas from the JT unit is then sent to two compressor engines (Sources CE-03 and CE-04) prior to being sent to sales or fuel usage. The condensables from the JT Unit are sent to two 18,000 gallon tanks for storage prior to truck loading to sales. The liquids (condensable/crude oil and produced water) from the separators are sent to the Condensate Storage Tank (Source T-01).

There are no other Justiss Oil Company, Inc. sites contiguous to the Olla IPNH Gas Treatment Facility.

**AIR PERMIT BRIEFING SHEET**  
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**Olla IPNH Gas Treatment Facility**  
**Agency Interest No.: 160243**  
**Justiss Oil Company, Inc.**  
**Jena, LaSalle Parish, Louisiana**

Estimated emissions from this facility are as follows:

Pollutant	Emissions in tons per year (TPY)
PM <sub>10</sub>	0.69
SO <sub>2</sub>	0.22
NO <sub>x</sub>	81.02
CO	99.27
VOC *	44.43

\*VOC speciation in tons per year:

LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's	Emissions in Tons per year
Acetaldehyde	1.24
Formaldehyde	7.86
Ethylbenzene	0.01
Xylene	0.19
Toluene	0.93
Benzene	0.43
n-Hexane	1.31
Total VOC TAPs	11.97
Other VOC's	32.46
Total VOC	44.43
Hydrogen Sulfide	0.05

#### **IV. TYPE OF REVIEW**

This permit was reviewed for compliance with Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a minor source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs) and an area source of 40 CFR 63 Subpart HH Hazardous Air Pollutants (HAPs). The facility is not

**AIR PERMIT BRIEFING SHEET  
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**Olla IPNH Gas Treatment Facility  
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Justiss Oil Company, Inc.  
Jena, LaSalle Parish, Louisiana**

Subject to 40 CFR 60 Subpart KKK as the gas analysis submitted by the company demonstrates that the VOC content can be reasonably expected never to exceed 10.0 percent by weight. Additionally, the compressor engines are existing per 40 CFR 60 Subpart JJJJ and 40 CFR 63 Subpart ZZZZ, as they were manufactured prior to June 12, 2006. No modification or reconstruction has been performed on the engines since June 12, 2006.

**V. PUBLIC NOTICE**

The facility is emitting more than 94.77 tons per year of CO but less than 100 TPY of CO and therefore requires public notice. An enforceable condition on natural gas throughput has been placed on the facility to ensure CO emissions are less than 100 TPY.

A notice requesting public comment on the proposed permit was published in, XX and in the, XX on, date XX, 2009. The notice was also mailed to individuals and organizations on the mailing list of the facility and published in the Office of Environmental Services Public Notice Mailing List on date XX, 2009. The permit application, the proposed permit, and the Statement of Basis were submitted to the Parish Library on date XX, 2009. All comments will be considered prior to a final permit decision.

**VI. EFFECTS ON AMBIENT AIR**

Emissions associated with the proposed facility were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

Dispersion Model(s) Used: None

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Olla IPNH Gas Treatment Facility**  
**Agency Interest No.: 160243**  
**Justiss Oil Company, Inc.**  
**Jena, LaSalle Parish, Louisiana**

**VII. GENERAL CONDITION XVII ACTIVITIES**

Work Activity	Schedule	Emission Rates - tons			
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO
Collection of Samples	8 per month				0.03
Combustion Engine Shutdown & Maintenance	24 per year				0.08
Pump Preparation	4 per year				0.13
Pipeline Preparation	100 section per year				0.05
Vessel Preparation	1 per year				0.08
Tank Cleaning for Inspection/Service	1 per year				0.08
Filter Replacement	8 per month				0.01
Instrument Mechanical Work	52 per year				0.01
Shop Work	1 per year				0.05

**VIII. INSIGNIFICANT ACTIVITIES**

ID No.:	Description	Citation
T-02	210 Barrel Slop Tank	LAC 33:III.501.B.5

General Information

AI ID: 160243 Justiss Oil Co Inc - Olla IPNH Gas Treatment Facility

Activity Number: PER20090001

Permit Number: 1680-00087-00

Air - Minor Source/Small Source Initial

Also Known As:	ID	Name	User Group	Start Date
	1680-00087	CDS Number Justiss Oil Co Inc IPNH Olla Gas Treatment Facility	CDS Number Multimedia Multimedia	06-23-2009 08-27-2008 06-23-2009
Physical Location:		Off PR 370 10 Mi NW of Jena, LA 70000	Main Phone:	3189924111
Mailing Address:		PO Box 2990 Jena, LA 71342	Phone (Type)	
Location of Front Gate:		31.791431 latitude, -92.245308 longitude, Coordinate Method: Lat\Long. - DMS, Coordinate Datum: NAD83	Phone (Type)	
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Jerry Peavy Jerry Peavy Jerry Peavy Jerry Peavy	PO Box 2990 Jena, LA 713422990 PO Box 2990 Jena, LA 713422990 PO Box 2990 Jena, LA 713422990 PO Box 2990 Jena, LA 713422990	3189924111 (WP) jpeavy@justissoil.co 3189924111 (WP) jpeavy@justissoil.co	Responsible Official for Air Permit Contact For Air Permit Contact For Responsible Official for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Justiss Oil Co Inc Justiss Oil Co Inc Justiss Oil Co Inc	PO Box 2990 Jena, LA 713422990 PO Box 2990 Jena, LA 713422990 PO Box 2990 Jena, LA 713422990	Operates Air Billing Party for Owns	

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

**INVENTORIES**

**AI ID: 160243 - Justiss Oil Co Inc - Olla IPNH Gas Treatment Facility**  
**Activity Number: PER20090001**  
**Permit Number: 1680-00087-00**  
**Air - Minor Source/Small Source Initial**

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Entire Facility</b>						
EQT 0001	AR-01A - 3.29 MM BTU/hr Amine Reboiler Burner Stack 1A		3.29 MM BTU/hr	3.29 MM BTU/hr		8760 hr/yr
EQT 0002	AR-01B - 3.29 MM BTU/hr Amine Reboiler Burner Stack 1B		3.29 MM BTU/hr	3.29 MM BTU/hr		8760 hr/yr
EQT 0003	AR-01C - 3.29 MM BTU/hr Amine Reboiler Burner Stack 1C		3.29 MM BTU/hr	3.29 MM BTU/hr		8760 hr/yr
EQT 0004	AR-02A - 3.29 MM BTU/hr Amine Reboiler Burner Stack 2A		3.29 MM BTU/hr	3.29 MM BTU/hr		8760 hr/yr
EQT 0005	AR-02B - 3.29 MM BTU/hr Amine Reboiler Burner Stack 2B		3.29 MM BTU/hr	3.29 MM BTU/hr		8760 hr/yr
EQT 0006	AR-02C - 3.29 MM BTU/hr Amine Reboiler Burner Stack 2C		3.29 MM BTU/hr	3.29 MM BTU/hr		8760 hr/yr
EQT 0007	AV-01 - Amine Unit #1 Vent		2190 MM scf/yr	2190 MM scf/yr		8760 hr/yr
EQT 0008	AV-02 - Amine Unit #2 Vent		3285 MM scf/yr	3285 MM scf/yr		8760 hr/yr
EQT 0009	CE-01 - Compressor Engine #1		1265 horsepower	1265 horsepower		8760 hr/yr
EQT 0010	CE-02 - Compressor Engine #2		1478 horsepower	1478 horsepower		8760 hr/yr
EQT 0011	CE-03 - Compressor Engine #3		945 horsepower	945 horsepower		8760 hr/yr
EQT 0012	CE-04 - Compressor Engine #4		842 horsepower	842 horsepower		8760 hr/yr
EQT 0013	DP-01 - JT Unit Methanol Pump		120 scf/hr	120 scf/hr		8760 hr/yr
EQT 0014	DP-02 - Defamer Chemical Injection Pump 1		120 scf/hr	120 scf/hr		8760 hr/yr
EQT 0015	DP-03 - Defamer Chemical Injection Pump 2		120 scf/hr	120 scf/hr		728 hr/yr
EQT 0016	DP-04 - Fuel Gas Chemical Injection Pump		120 scf/hr	120 scf/hr		728 hr/yr
EQT 0017	DP-05 - Fuel Gas Methanol Pump		120 scf/hr	120 scf/hr		8760 hr/yr
EQT 0018	GR-01 - Glycol Reboiler Burner Stack		1 MM BTU/hr	1 MM BTU/hr		8760 hr/yr
EQT 0019	GV-01 - Glycol Still Column/Condenser Vent		5475 MM scf/yr	5475 MM scf/yr		8760 hr/yr
EQT 0020	LC-01 - Norriseal 1001 Level Controllers		2 scf/hr	.2 scf/hr		8760 hr/yr
EQT 0021	LC-02 - Mailhard Gas Operated Level Controllers		1 scf/hr	1 scf/hr		8760 hr/yr
EQT 0022	LC-03 - Fisher 2500 Level Controllers		42 scf/hr	42 scf/hr		8760 hr/yr
EQT 0023	LF-01 - Tank Truck Loading Losses		365 bbl/yr	365 bbl/yr		2.43 hr/yr
EQT 0024	PC-01 - Fisher 4150/4160 Pressure Controllers		7 scf/hr	7 scf/hr		8760 hr/yr
EQT 0025	TT-01 - Condensate Storage Tank	210 bbl	365 bbl/yr	365 bbl/yr	oil	8760 hr/yr
FUG 0001	FE-01 - Fugitive Emissions					8760 hr/yr

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>Entire Facility</b>							
EQT 0001	AR-01A - 3.29 MM BTU/hr Amine Reboiler Burner Stack 1A	20.48	3860.35	2		30	550
EQT 0002	AR-01B - 3.29 MM BTU/hr Amine Reboiler Burner Stack 1B	20.48	3860.35	2		30	550
EQT 0003	AR-01C - 3.29 MM BTU/hr Amine Reboiler Burner Stack 1C	20.48	3860.35	2		30	550
EQT 0004	AR-02A - 3.29 MM BTU/hr Amine Reboiler Burner Stack 2A	20.48	3860.35	2		30	550
EQT 0005	AR-02B - 3.29 MM BTU/hr Amine Reboiler Burner Stack 2B	20.48	3860.35	2		30	550
EQT 0006	AR-02C - 3.29 MM BTU/hr Amine Reboiler Burner Stack 2C	20.48	3860.35	2		30	550

INVENTORIES

AI ID: 160243 - Justiss Oil Co Inc - Olla IPNH Gas Treatment Facility  
 Activity Number: PER20090001  
 Permit Number: 1680-00087-00  
 Air - Minor Source/Small Source Initial

## Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>Entire Facility</b>							
EQT 0007	AV-01 - Amine Unit #1 Vent			.33		35	80
EQT 0008	AV-02 - Amine Unit #2 Vent			.33		35	80
EQT 0009	CE-01 - Compressor Engine #1	286.77	9384.68	.83		20	1100
EQT 0010	CE-02 - Compressor Engine #2	232.68	10964.87	.1		22	1100
EQT 0011	CE-03 - Compressor Engine #3	214.23	7010.69	.83		18	1100
EQT 0012	CE-04 - Compressor Engine #4	190.88	6246.56	.83		18	1100
EQT 0013	DP-01 - JT Unit Methanol Pump	24.92	2.04	.04		70	
EQT 0014	DP-02 - Debooster Chemical Injection Pump 1	24.92	2.04	.04		70	
EQT 0015	DP-03 - Debooster Chemical Injection Pump 2	11.07	2.04	.06		70	
EQT 0016	DP-04 - Fuel Gas Chemical Injection Pump	11.07	2.04	.06		70	
EQT 0017	DP-05 - Fuel Gas Methanol Pump	11.07	2.04	.06		70	
EQT 0018	GR-01 - Glycol Reboiler Burner Stack	14.67	941.01	1.17		15	350
EQT 0019	GV-01 - Glycol Still Column/Condenser Vent	.33	.44	.17		60	212
EQT 0023	LF-01 - Tank Truck Loading Losses			.33		8	70
EQT 0025	T-01 - Condensate Storage Tank	.01	0	.13		18	•80

## Relationships:

## Subject Item Groups:

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	CRG-01 - Amine Reboiler Burner Stacks
CRG 0002	Common Requirements Group	CRG-02 - Amine Unit Vents
CRG 0003	Common Requirements Group	CRG-03 - Compressor Engines
UNF 0001	Unit or Facility Wide	UNF-01 - Entire Facility

## Group Membership:

ID	Description	Member of Groups
EQT 0001	AR-01A - 3.29 MM BTU/hr Amine Reboiler Burner Stack 1A	CRG00000000001
EQT 0002	AR-01B - 3.29 MM BTU/hr Amine Reboiler Burner Stack 1B	CRG00000000001
EQT 0003	AR-01C - 3.29 MM BTU/hr Amine Reboiler Burner Stack 1C	CRG00000000001
EQT 0004	AR-02A - 3.29 MM BTU/hr Amine Reboiler Burner Stack 2A	CRG00000000001
EQT 0005	AR-02B - 3.29 MM BTU/hr Amine Reboiler Burner Stack 2B	CRG00000000001
EQT 0006	AR-02C - 3.29 MM BTU/hr Amine Reboiler Burner Stack 2C	CRG00000000001
EQT 0007	AV-01 - Amine Unit #1 Vent	CRG00000000002
EQT 0008	AV-02 - Amine Unit #2 Vent	CRG00000000002

**INVENTORIES**

AI ID: 160243 - Justiss Oil Co Inc - Olla IPNH Gas Treatment Facility  
 Activity Number: PER20090001  
 Permit Number: 1680-00087-00  
 Air - Minor Source/Small Source Initial

**Group Membership:**

ID	Description	Member of Groups
EQT 0009	CE-01 - Compressor Engine #1	CRG00000000003
EQT 0010	CE-02 - Compressor Engine #2	CRG00000000003
EQT 0011	CE-03 - Compressor Engine #3	CRG00000000003
EQT 0012	CE-04 - Compressor Engine #4	CRG00000000003

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0040	0040 Crude Oil and Natural Gas Production (Less than 100 TNYr Source)		

**SIC Codes:**

1311	Crude petroleum and natural gas	AI 160243
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**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 160243 - Justiss Oil Co Inc - Olla IPNH Gas Treatment Facility

Activity Number: PER20090001

Permit Number: 1680-00087-00

Air - Minor Source/Small Source Initial

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>Entire Facility</b>															
EQT 0001 AR-01A	0.27	0.27	1.19	0.32	1.42	0.03	0.11	<0.01	0.01	0.02	0.02	0.08	0.02	0.02	0.08
EQT 0002 AR-01B	0.27	0.27	1.19	0.32	1.42	0.03	0.11	<0.01	0.01	0.02	0.02	0.08	0.02	0.02	0.08
EQT 0003 AR-01C	0.27	0.27	1.19	0.32	1.42	0.03	0.11	<0.01	0.01	0.02	0.02	0.08	0.02	0.02	0.08
EQT 0004 AR-02A	0.27	0.27	1.19	0.32	1.42	0.03	0.11	<0.01	0.01	0.02	0.02	0.08	0.02	0.02	0.08
EQT 0005 AR-02B	0.27	0.27	1.19	0.32	1.42	0.03	0.11	<0.01	0.01	0.02	0.02	0.08	0.02	0.02	0.08
EQT 0006 AR-02C	0.27	0.27	1.19	0.32	1.42	0.03	0.11	<0.01	0.01	0.02	0.02	0.08	0.02	0.02	0.08
EQT 0007 AV-01										0.10	0.10	0.44			
EQT 0008 AV-02										0.094	0.094	0.412			
EQT 0009 CE-01	3.70	16.21	4.18	4.18	18.30	<0.01	<0.01	0.01	0.04	1.12	1.12	4.90			
EQT 0010 CE-02	8.78	8.78	38.48	7.65	33.51	<0.01	<0.01	0.01	0.04	1.31	1.31	5.73			
EQT 0011 CE-03	3.56	3.56	15.60	3.11	13.63	<0.01	<0.01	0.01	0.03	0.84	0.84	3.66			
EQT 0012 CE-04	4.90	4.90	21.46	1.51	6.63	<0.01	<0.01	0.01	0.03	0.75	0.75	3.26			
EQT 0013 DP-01										0.39	0.39	1.69			
EQT 0014 DP-02										0.39	0.39	1.69			
EQT 0015 DP-03										0.39	0.39	1.69			
EQT 0016 DP-04										0.39	0.39	1.69			
EQT 0017 DP-05										0.39	0.39	1.69			
EQT 0018 GR-01	0.08	0.08	0.36	0.10	0.10	0.43	0.01	0.03	<0.01	0.01	0.01	0.02	0.02	0.02	0.02
EQT 0019 GV-01										1.07	1.07	4.68			
EQT 0020 LC-01										0.008	0.008	0.034			
EQT 0021 LC-02										0.04	0.04	0.16			
EQT 0022 LC-03										0.81	0.81	3.55			
EQT 0023 LF-01										10.71	10.71	0.01			

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 160243 - Justiss Oil Co Inc - Olla IPNH Gas Treatment Facility

Activity Number: PER20090001

Permit Number: 1680-00087-00

Air - Minor Source/Small Source Initial

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Entire Facility															
EQT 0024 PC-01															
EQT 0025 T-01															
FUG 0001 FE-01															

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 160243 - Justiss Oil Co Inc - Olla IPNH Gas Treatment Facility

Activity Number: PER20090001

Permit Number: 1680-00087-00

Air - Minor Source/Small Source Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 AR-01A	Formaldehyde	<0.01	<0.01	0.001
	n-Hexane	0.006	0.006	0.025
EQT 0002 AR-01B	Formaldehyde	<0.01	<0.01	0.001
	n-Hexane	0.006	0.006	0.025
EQT 0003 AR-01C	Formaldehyde	<0.01	<0.01	0.001
	n-Hexane	0.006	0.006	0.025
EQT 0004 AR-02A	Formaldehyde	<0.01	<0.01	0.001
	n-Hexane	0.006	0.006	0.025
EQT 0005 AR-02B	Formaldehyde	<0.01	<0.01	0.001
	n-Hexane	0.006	0.006	0.025
EQT 0006 AR-02C	Formaldehyde	<0.01	<0.01	0.001
	n-Hexane	0.006	0.006	0.025
EQT 0007 AV-01	Benzene	0.037	0.037	0.162
	Toluene	0.007	0.007	0.031
	Xylene (mixed isomers)	0.003	0.003	0.013
	n-Hexane	0.002	0.002	0.009
EQT 0008 AV-02	Benzene	0.031	0.031	0.136
	Hydrogen sulfide	0.011	0.011	0.048
	Toluene	0.008	0.008	0.035
	Xylene (mixed isomers)	0.003	0.003	0.013
	n-Hexane	0.002	0.002	0.009
EQT 0009 CE-01	Acetaldehyde	0.079	0.079	0.347
	Benzene	0.004	0.004	0.018
	Ethyl benzene	<0.001	0.001	0.001
	Formaldehyde	0.501	0.501	2.194
	Toluene	0.004	0.004	0.017
	Xylene (mixed isomers)	0.002	0.002	0.007
	n-Hexane	0.011	0.011	0.046
EQT 0010 CE-02	Acetaldehyde	0.093	0.093	0.405
	Benzene	0.005	0.005	0.022
	Ethyl benzene	<0.001	<0.001	0.001
	Formaldehyde	0.585	0.585	2.563
	Toluene	0.005	0.005	0.020

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 160243 - Justiss Oil Co Inc - Olla IPNH Gas Treatment Facility

Activity Number: PER20090001

Permit Number: 1680-00087-00

Air - Minor Source/Small Source Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0010 CE-02	Xylene (mixed isomers)	0.002	0.002	0.009
	n-Hexane	0.012	0.012	0.054
EQT 0011 CE-03	Acetaldehyde	0.059	0.059	0.259
	Benzene	0.003	0.003	0.014
	Ethyl benzene	<0.001	<0.001	0.001
	Formaldehyde	0.374	0.374	1.639
	Toluene	0.003	0.003	0.013
	Xylene (mixed isomers)	0.001	0.001	0.006
	n-Hexane	0.008	0.008	0.035
EQT 0012 CE-04	Acetaldehyde	0.053	0.053	0.231
	Benzene	0.003	0.003	0.012
	Ethyl benzene	<0.001	<0.001	0.001
	Formaldehyde	0.333	0.333	1.460
	Toluene	0.003	0.003	0.011
	Xylene (mixed isomers)	0.001	0.001	0.005
	n-Hexane	0.007	0.007	0.031
EQT 0013 DP-01	Benzene	0.001	0.001	0.003
	n-Hexane	0.003	0.003	0.013
EQT 0014 DP-02	Benzene	0.001	0.001	0.003
	n-Hexane	0.003	0.003	0.013
EQT 0015 DP-03	Benzene	0.001	0.001	<0.001
	n-Hexane	0.003	0.003	0.001
EQT 0016 DP-04	Benzene	0.001	0.001	<0.001
	n-Hexane	0.003	0.003	0.001
EQT 0017 DP-05	Benzene	0.001	0.001	0.003
	n-Hexane	0.003	0.003	0.013
EQT 0018 GR-01	Formaldehyde	<0.01	<0.01	<0.01
	n-Hexane	0.002	0.002	0.008
EQT 0019 GV-01	Toluene	0.175	0.175	0.766
	Xylene (mixed isomers)	0.030	0.030	0.132
	n-Hexane	0.050	0.050	0.217
EQT 0020 LC-01	Benzene	<0.001	<0.001	<0.001
	n-Hexane	<0.001	<0.001	<0.001

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 160243 - Justiss Oil Co Inc - Olla IPNH Gas Treatment Facility

Activity Number: PER20090001

Permit Number: 1680-00087-00

Air - Minor Source/Small Source Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0021 LC-02	Benzene	<0.001	<0.001	<0.001
	n-Hexane	<0.001	<0.001	0.001
EQT 0022 LC-03	Benzene	0.001	0.001	0.006
	n-Hexane	0.006	0.006	0.028
EQT 0024 PC-01	Benzene	<0.001	<0.001	0.001
	n-Hexane	0.001	0.001	0.004
EQT 0025 T-01	n-Hexane	0.01	0.01	0.001
FUG 0001 FE-01	Benzene	0.010	0.010	0.045
	Ethyl benzene	0.001	0.001	0.004
	Toluene	0.007	0.007	0.032
	Xylene (mixed isomers)	0.002	0.002	0.009
	n-Hexane	0.153	0.153	0.669
UNF 0001 UNF-01	Acetaldehyde			1.24
	Benzene			0.43
	Ethyl benzene			0.01
	Formaldehyde			7.86
	Toluene			0.93
	Xylene (mixed isomers)			0.19
	n-Hexane			1.31

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS**

AI ID: 160243 - Justiss Oil Co Inc - Olla IPNH Gas Treatment Facility  
**Activity Number:** PER20090001  
**Permit Number:** 1680-00087-00  
**Air - Minor Source/Small Source Initial**

**CRG 0001 CRG-01 - Amine Reboller Burner Stacks**

Group Members: EQT 0001EQT 0002EQT 0003EQT 0004EQT 0005EQT 0006

- 1 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average

**CRG 0002 CRG-02 - Amine Unit Vents**

Group Members: EQT 0007EQT 0008

- 3 [40 CFR 60.640] 40 CFR 60 Subpart LLL: EXEMPT - design capacity is less than 2 long tons per day of hydrogen sulfide. Subpart LLL.  
 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of an analysis demonstrating that the design capacity is less than 2 LT/ID of H2S expressed as sulfur for the life of the facility. Subpart LLL. [40 CFR 60.647(c)]

**CRG 0003 CRG-03 - Compressor Engines**

Group Members: EQT 0009EQT 0010EQT 0011EQT 0012

- 5 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average  
 Carbon monoxide <= 91.75 tons/yr.  
 Which Months: All Year Statistical Basis: None specified  
 Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.  
 Which Months: All Year Statistical Basis: None specified  
 Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

**SPECIFIC REQUIREMENTS**

AI ID: 160243 - Justiss Oil Co Inc - Olla IPNH Gas Treatment Facility  
**Activity Number:** PER20090001  
**Permit Number:** 1680-00087-00  
**Air - Minor Source/Small Source Initial**

**CRG 0003 CRG-03 - Compressor Engines**

- 10 [LAC 33:III:501.C.6] Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- Which Months: All Year Statistical Basis: None specified
- Permittee shall monitor the natural gas fuel usage to the compressor engines referenced in CRG003, specifically Emission Points CE-01, CE-02, CE-03 and CE-04. Based on the monitored fuel usage and individual emission factors supplied by the manufacturer, the Permittee shall calculate emissions for each compressor engine. The total fuel consumption for all of the compressor engines shall not exceed 293.22 MM scf/year and the total CO emissions from the compressor engines shall not exceed 91.75 TPY.
- Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO2 / ton 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- Submit report: Due annually, by the 31st of March. Report the natural gas consumed for each compressor engine for the preceding calendar year to the Office of Environmental Compliance. This report can be combined with reports required under LAC 33:III:537 G.C. XI. Any written report submitted in advance of the time frame specified in this requirement, may serve to meet the reporting requirements of this Condition provided all information specified in Paragraph D of Louisiana General Condition XI is included.
- Natural Gas: Throughput <= 293.22 MM scf/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance if throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 11 [LAC 33:III:501.C.6] Which Months: All Year Statistical Basis: None specified
- Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O<sub>2</sub> in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- Which Months: All Year Statistical Basis: None specified
- Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:II:913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- Equipment/operational data recordkeeping by electronic or hard copy semiannually. Recorded parameters are NOx, CO, O<sub>2</sub>, SO<sub>2</sub> and VOC concentrations in the stack gas obtained during semiannual testing.
- Natural gas: Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total natural gas consumed each month for each compressor engine, as well as the total consumed for the last twelve months. Make records available for inspection by DEQ personnel.
- 12 [LAC 33:III:501.C.6]
- 13 [LAC 33:III:501.C.6]
- 14 [LAC 33:III:501.C.6]
- 15 [LAC 33:III:501.C.6]
- 16 [LAC 33:III:501.C.6]
- 17 [LAC 33:III:501.C.6]
- 18 [LAC 33:III:501.C.6]

**SPECIFIC REQUIREMENTS**

AI ID: 160243 - Justiss Oil Co Inc - Olla IPNH Gas Treatment Facility  
**Activity Number:** PER20090001  
**Permit Number:** 1680-00087-00  
**Air - Minor Source/Small Source Initial**

**EQT\_0018 GR-01 - Glycol Reboiler Burner Stack**

- 19 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average

**EQT\_0019 GV-01 - Glycol Still Column/Condenser Vent**

- 21 [40 CFR 63.760(e)] Maintain records as specified in 40 CFR 63.10(b)(3). Subpart HH. [40 CFR 63.760(e)]  
 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information specified in 40 CFR 63.774(d)(1)(i) or (d)(1)(ii), as applicable. Subpart HH. [40 CFR 63.774(d)]  
 VOC, Total >= 85 % reduction using a control device. Demonstrate percent reduction using the methods found in LAC 33:III.2116.D.  
 Which Months: All Year Statistical Basis: None specified  
 Determine compliance with LAC 33:III.2116.B using the methods in LAC 33:III.2116.D.1.5, as appropriate.  
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the information specified in LAC 33:III.2116.F.1.

**FUG\_0001 FE-01 - Fugitive Emissions**

- 26 [LAC 33:III.2111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

**UNF\_0001 UNF-01 - Entire Facility**

- 27 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.  
 28 [40 CFR 63.] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 2 of 40 CFR 63 Subpart HH.  
 29 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.1111 or intensify an existing traffic hazard condition are prohibited.  
 Outdoor burning of waste material or other combustible material is prohibited.  
 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.  
 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.

**SPECIFIC REQUIREMENTS**

AI ID: 160243 - Justiss Oil Co Inc - Olla IPNH Gas Treatment Facility  
 Activity Number: PER20090001  
 Permit Number: 1680-00087-00  
 Air - Minor Source/Small Source Initial

**UNF 0001 UNF-01 - Entire Facility**

33 [LAC 33.II.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33.III.2901.G are prohibited.

34 [LAC 33.III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33.III.2901.G.

35 [LAC 33.III.537] Comply with the Louisiana General Conditions as set forth in LAC 33.III.537.

36 [LAC 33.III.5611.A] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution

Emergency. Due within 30 days after requested by the administrative authority.

37 [LAC 33.III.5611.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.